



# COMMANDO SAFETY SWITCH

## RANGE INTRODUCTION

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Commando Safety switches are manufactured from Polybutylene Terephthalate (PBT) for maximum impact resistance.

The range offers a selection of IP54 and IP65 ratings to cover a variety of indoor and outdoor needs. The units are lockable for added safety and accept auxiliary contacts to increase further the range of applications.

A range of Triple Pole and Neutral switches are also available, manufactured from Polycarbonate (PC).

## FEATURES & BENEFITS

### IMPACT RESISTANT

PBT and PC enclosures provide remarkable impact resistance

### WATER RESISTANT

IP54, IP65 and IP66 ratings mean Commando Safety switch and Triple Pole and Neutral switches are suitable for outdoor and indoor use

### ADDED SAFETY

Commando Safety switches have mechanically interlocked lids meaning the cover is impossible to remove when the switch is in the 'ON' position

## HOW TO SPECIFY

A range of industrial "Commando" triple pole and neutral Safety Switches designed to provide IP65 ingress protection. Product case must be interlocked to ensure that the case cannot be opened while the switch is in the "ON" position. All switches are to have Neutral and earth terminals fitted as standard and have I.S.O. metric conduit entries for ease of installation.



Technical Hotline  
+44 (0)1268 563720

# Commando Safetyswitch

## Commando Safetyswitches

I.S.O. metric conduit entries for ease of installation

Neutral and Earth terminals fitted as standard

PBT enclosure offers remarkable impact resistance

Choice of units splashproof to IP54 and IP65 for use indoors or outdoors

Direct acting operating handle gives positive indication of the state of the contacts

63A, 100A and 125A units have mechanically operated lids for additional safety in use. This means the cover is impossible to remove when the switch is in the 'ON' position



## Switch Disconnectors

16 AMP (1th)  
3 POLE  
IP65

25 AMP (1th)  
3 POLE  
IP65

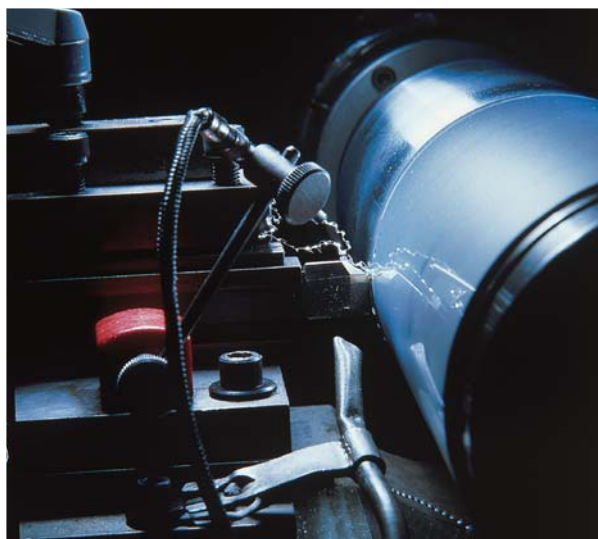


**K6816** 5  
**K6816YEL** 5  
UTILISATION CATEGORY  
AC23A RATED OPERATIONAL:  
CURRENT (Ie) 10A  
VOLTAGE (Ue) 415V 50/60 HZ  
POWER 5.5 KW

**K6825** 5  
**K6825YEL** 5  
UTILISATION CATEGORY  
AC23A RATED OPERATIONAL:  
CURRENT (Ie) 20A  
VOLTAGE (Ue) 415V 50/60 HZ  
POWER 11 KW

IP RATING  
K6816 IP65  
K6816YEL IP65  
Supplied with blanking plugs and neutral terminals  
TERMINAL CAPACITY  
1.5 - 4mm<sup>2</sup>  
CONDUIT ENTRY  
4 x M20  
K6816  
Auxiliary contacts  
List No: 6818 and 6819  
Will accept one auxiliary contact.  
K6816YEL  
Auxiliary contact included.  
BS EN 60947-3:2009

IP RATING  
K6825 IP65  
K6825YEL IP65  
Supplied with blanking plugs and neutral terminals  
TERMINAL CAPACITY  
1.5 - 4mm<sup>2</sup>  
CONDUIT ENTRY  
4 x M20  
K6825  
Auxiliary contacts  
List No: 6818 and 6819  
Will accept one auxiliary contact.  
K6825YEL  
Auxiliary contact included.  
BS EN 60947-3:2009



# Commando Safetyswitch

## Switch Disconnectors

25 AMP (Ith)  
6 POLE  
IP65

40 AMP (Ith)  
3 POLE  
IP65

63 AMP (Ith)  
3 POLE  
IP54 and IP65



K6725



K6725YEL



K6840



K6840YEL



6863



6863YEL

**K6725****K6725YEL**

UTILISATION CATEGORY  
AC23A RATED OPERATIONAL:  
CURRENT (Ie) 20A  
VOLTAGE (Ue) 415V 50/60 HZ  
POWER 11 KW

**IP RATING**

K6725 IP65  
K6725YEL IP65

Supplied with blanking plugs and neutral terminals

**TERMINAL CAPACITY**

1.5 – 4mm<sup>2</sup>

**CONDUIT ENTRY**

4 x M20  
2 x 18mm knockouts

**K6725**

Auxiliary contacts  
List No: 6818 and 6819

Will accept one auxiliary contact.

**K6725YEL**

Auxiliary contact included.  
BS EN 60947-3:2009

1  
1

**K6840****K6840YEL**

UTILISATION CATEGORY  
AC23A RATED OPERATIONAL:  
CURRENT (Ie) 25A  
VOLTAGE (Ue) 415V 50/60 HZ  
POWER 15 KW

**IP RATING**

K6840 IP65  
K6840YEL IP65

Supplied with blanking plugs and neutral terminals

**TERMINAL CAPACITY**

1.5 – 10mm<sup>2</sup>

**CONDUIT ENTRY**

4 x M25

**K6840**

Auxiliary contacts  
List No: 6818 and 6819  
Will accept one auxiliary contact.

**K6840YEL**

Auxiliary contact included.  
BS EN 60947-3:2009

1  
1

**K6863****K6863YEL**

UTILISATION CATEGORY  
AC23A RATED OPERATIONAL:  
CURRENT (Ie) 45A  
VOLTAGE (Ue) 415V 50/60 HZ  
POWER 22 KW

**IP RATING**

6863 IP54  
6863YEL IP65

Supplied with blanking plugs and neutral terminals

**TERMINAL CAPACITY**

1.5 – 16mm<sup>2</sup>

**CONDUIT ENTRY**

4 x M32  
2 x M16

**6863**

Auxiliary contacts  
List No: 6813 or 6814

**6863YEL**

Auxiliary contact included.  
BS EN 60947-3:2009

1  
1

# Commando Safetyswitch

## Triple Pole And Neutral Switches

4 POLE  
IP66



M4413



M4414

2 POLE  
IP66



M4417



M4418

**M4413**  
4 POLE  
UTILISATION CATEGORY  
AC23A RATED OPERATIONAL:  
CURRENT (Ie) 32A  
VOLTAGE (Ue) 240/415V 50/60 HZ  
POWER 11 KW

**M4414**  
4 POLE  
UTILISATION CATEGORY AC23A RATED  
OPERATIONAL:  
CURRENT (Ie) 20A  
VOLTAGE (Ue) 240/415V 50/60 HZ  
POWER 7.5 KW

TERMINAL CAPACITY  
16mm<sup>2</sup> (Rigid stranded cable)

CONDUIT ENTRY  
2 x 25mm cable entry top and bottom. Supplied  
with 2 x 25mm conduit adaptors.  
4 x 20mm, 2 x 25mm knockouts for rear cable  
entry.  
BS EN 60947-3:2009

**M4417**  
2 POLE  
UTILISATION CATEGORY  
AC23A RATED OPERATIONAL:  
CURRENT (Ie) 32A  
VOLTAGE (Ue) 240V 50/60 HZ  
POWER 5.5 KW

**M4418**  
2 POLE  
UTILISATION CATEGORY  
AC23A RATED OPERATIONAL:  
CURRENT (Ie) 20A  
VOLTAGE (Ue) 240V 50/60 HZ  
POWER 3.75 KW

## Auxiliary Contacts



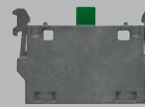
6813



6814



6817



6818



6819

**6813**  
16A (Ith) SINGLE POLE  
NORMALLY OPEN  
4A OPERATIONAL CURRENT (Ie)

**6814**  
16A (Ith) SINGLE POLE  
NORMALLY CLOSED  
4A OPERATIONAL CURRENT (Ie)

**6817**  
10A (Ith) SINGLE POLE  
NORMALLY OPEN  
1.5A OPERATIONAL CURRENT (Ie)

**6818**  
10A (Ith) SINGLE POLE  
NORMALLY OPEN,  
6A OPERATIONAL CURRENT (Ie)  
AC15 @ 230V

**6819**  
10A (Ith) SINGLE POLE  
NORMALLY CLOSED, 6A  
OPERATIONAL CURRENT (Ie)  
AC15 @ 230V

## Accessories



MK9933



6810

**MK9933**  
10 EARTH LEAD ADAPTOR  
M20 X 1.5 / M20 X 1.5 THREAD  
SIZE FOR 16A & 25A  
SAFETYSWITCHES

**6810**  
10 SHACKLE FOR UP TO 6 PADLOCKS

M4413, M4414, M4417, M4418 ENCLOSURES ARE POLYCARBONATE  
Polycarbonate enclosures provide extremely high levels of impact resistance. Some chemicals and  
synthetic oils can harm polycarbonate. Call technical hotline for further information.



# COMMANDO

## RANGE INTRODUCTION

Commando offers a comprehensive range of industrial plugs, connectors, socket outlets, appliance inlets, Combi and Modular-Combi units.

The Commando range is designed to meet all relevant European and British Standards, whilst offering remarkable impact strength and an excellent choice of ingress protection ratings. Outstanding temperature performance and good resistance to chemicals make it ideal for the most arduous applications. Contact pins and sleeves are of solid brass with stainless steel springs to keep contacts free of dirt and to ensure constant contact pressure.

### HOW TO SPECIFY

A range of industrial "Commando" industrial plugs, connectors, sockets and switches designed to provide IP44 & IP67 ingress protection. Products to have outstanding temperature performance and resistance to chemicals to ensure operation in arduous applications. All sockets to have self cleaning contacts and nickel plated pins to provide resistance to humidity and wear. Cable entry must be secured via a cable clamp that applies pressure to the cable for the lifetime of the product. Products must have prolonged earth pole connections to ensure that earth terminals are last to disconnect. Terminals to be clearly identified and have terminal screws backed out to provide fast and easy installation.

### FEATURES & BENEFITS

#### RELIABILITY

Features like the calibrated contact sleeves with stainless steel springs, brass screws in brass contacts, and the double earthing screws – all mean that this plug or socket will perform better and longer in difficult conditions.

#### ERGONOMIC DESIGN

All edges and corners are rounded to remove sharp edges. Cable protection is improved. New design offers a better and more comfortable grip for connection / disconnection.

#### CABLE GLAND

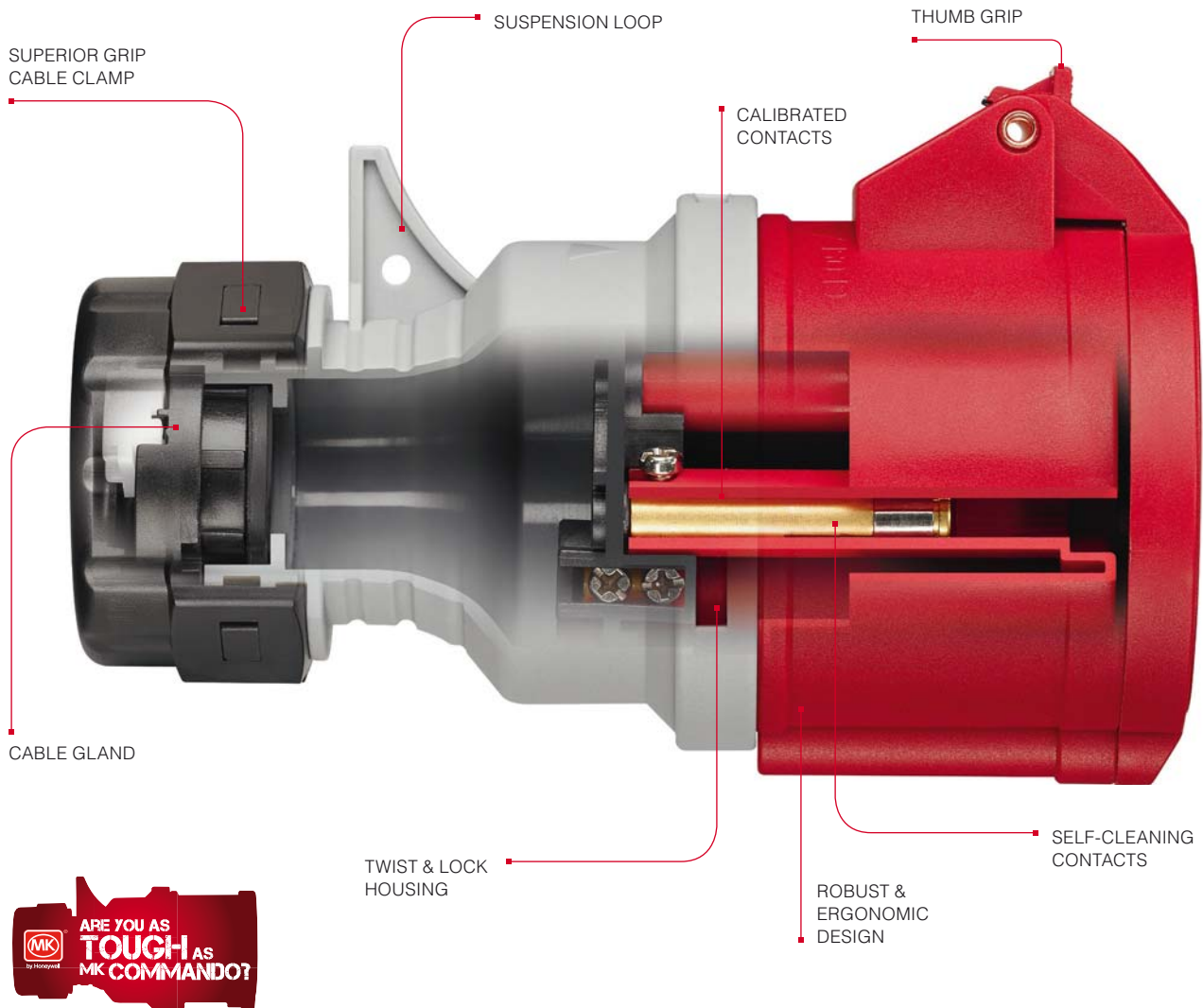
Every product across the range has a new cable clamp with an improved locking mechanism that will apply pressure to the cable for the lifetime of the product.

#### EASY WIRING

All screws are backed out and retained. Twin contact earth screws.

#### OUTSTANDING TEMPERATURE PERFORMANCE

Successful operation guaranteed between -25°C and 55°C.



## HIGH QUALITY MATERIALS

The Commando range offers remarkable impact strength.

Outstanding temperature performance and good resistance to chemicals make it ideal for the arduous applications.

## CONNECTION SEAL

Prevent accidental disconnection or theft of equipment.

## TIGHT AND SECURE

The cable gland has an improved locking mechanism that will apply pressure to the cable for the lifetime of the product.

## PROLONGED EARTH CONNECTION

The earth connection is specifically designed, so that in the unlikely event of failure of the cable gland and the wires detach from the terminals the earth terminal will be the last to disconnect.

For extra protection the earth terminal is provided with 2 connection screws.

## SUSPENSION LOOP

Products can be suspended above the floor, helping to keep the workspace in order.

## QUICK AND EASY TO USE

Clear markings and terminal identification.

Clear instructions for cable strip length, tightening torque and opening of the product.

# Commando

**IP44  
SPLASHPROOF  
100-130V  
50-60 HZ**

## Plugs

## Connectors

## Socket Outlets

ANGLED  
SURFACE

STRAIGHT  
PANEL MOUNTING

SURFACE – LOOP IN

Amps	Pin. Configuration	Earth					
16	2P+E	4	<b>K9000YEL</b>	<b>K9100YEL</b>	<b>K9200YEL</b>	<b>K9400YEL</b>	<b>K13300YEL</b>
32	2P+E	4	<b>K9032YEL</b>	<b>K9132YEL</b>	<b>K9232YEL</b>	<b>K9432YEL</b>	<b>K13232YEL</b>

Fitted with cable entry seal.  
BS EN 60309

Fitted with cable entry seal.  
BS EN 60309

**16A**  
Top conduit (M20) or rear  
cable entry, complete with  
blanking plug.

**32A**  
Top conduit (M25) or rear  
cable entry, complete with  
blanking plug.  
BS EN 60309

All flanges have the same  
fixing centres and outside  
dimensions to assist panel  
builders.  
BS EN 60309

Suitable for top entry 1 x M20  
and 1 x M25 or bottom entry  
1 x M20 and 1 x M25  
BS EN 60309

**IP67  
WATERTIGHT  
100-130V  
50-60 HZ**

## Plugs






## Connectors

## Socket Outlets

ANGLED  
SURFACE

PANEL MOUNTING

SURFACE – LOOP IN

Amps	Pin. Configuration	Earth					
16	2P+E	4	<b>K9023YEL</b>	<b>K9123YEL</b>	<b>K9193YEL</b>	<b>K9802YEL</b>	<b>K13323YEL</b>
32	2P+E	4	<b>K9053YEL</b>	<b>K9155YEL</b>	<b>K9761YEL</b>		<b>K13303YEL</b>

Suitable for flexible cable only.  
BS EN 60309

Suitable for flexible cable only.  
BS EN 60309

**16A** Top conduit (M20) or rear  
cable entry, complete with  
blanking plug.  
**32A** Top conduit (M25) or rear  
cable entry, complete with  
blanking plug  
BS EN 60309

All flanges have the same  
fixing centres and outside  
dimensions to assist panel  
builders  
BS EN 60309

Suitable for top entry 1 x M20  
and 1 x M25 or bottom entry  
1 x M20 and 1 x M25  
BS EN 60309

## Switchsocket Outlets

ANGLED  
INTERLOCKED  
SURFACE

Amps	Pin. Configuration	Earth	
16	2P+E	4	<b>K73600YEL</b>
32	2P+E	4	<b>K13632YEL</b>



Switch can be locked in open or closed position.  
Suitable for top entry 1 x M20 and 1 x M25 or bottom entry 1 x M20 and 1 x M25  
BS EN 60309

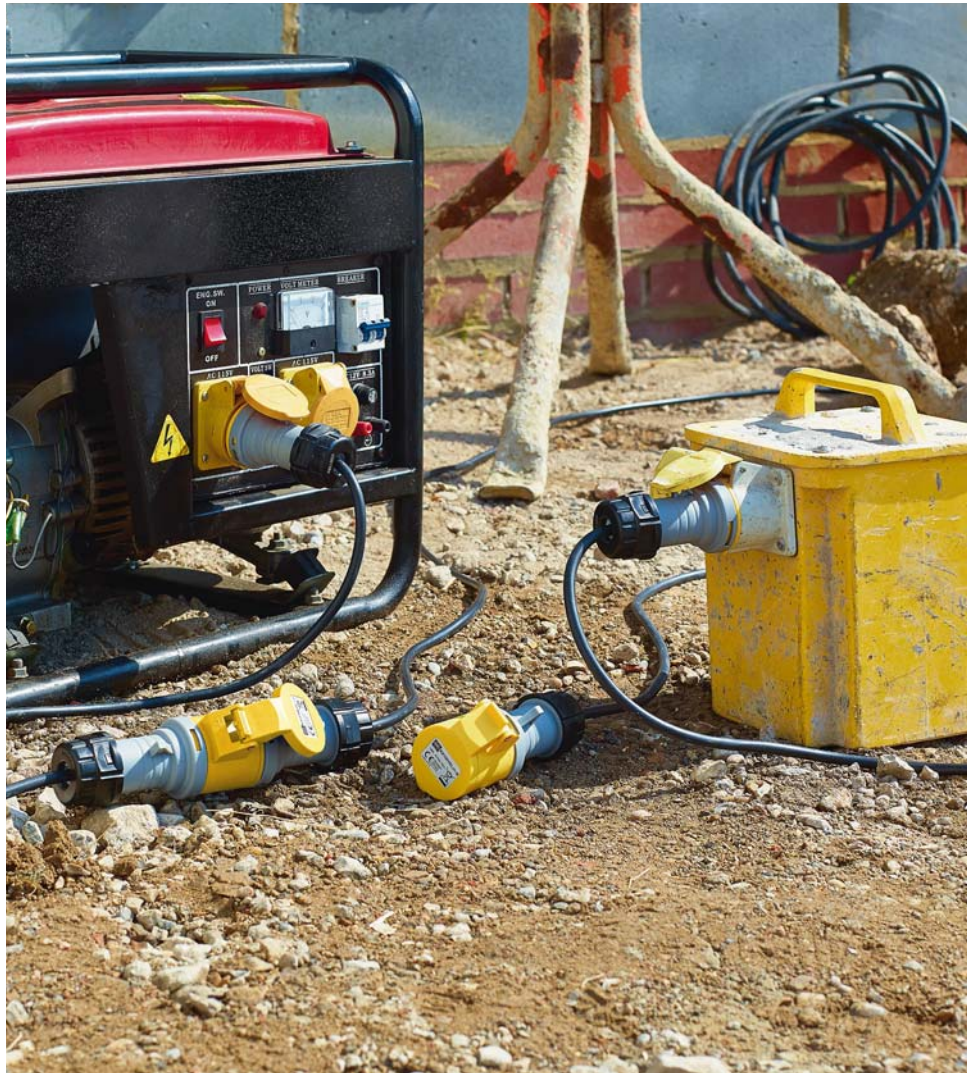
## Switchsocket Outlets

ANGLED  
INTERLOCKED  
SURFACE

Amps	Pin. Configuration	Earth	
16	2P+E	4	<b>K73623YEL</b>
32	2P+E	4	<b>K13653YEL</b>



Switch can be locked in open or closed position.  
Suitable for top entry 1 x M20 and 1 x M25 or bottom entry 1 x M20 and 1 x M25  
BS EN 60309





# Commando

IP44  
 SPLASHPROOF  
 200 - 250V  
 50 - 60 HZ

## Plugs






## Connectors

## Socket Outlets

ANGLED  
 SURFACE

SURFACE-LOOP IN

STRAIGHT  
 PANEL MOUNTING

Amps	Pin. Configuration	Earth					
16	2P+E	6	<b>K9001BLU</b>	<b>K9101BLU</b>	<b>K9201BLU</b>	<b>K13301BLU</b>	<b>K9401BLU</b>
16	3P+E	9	<b>K9006BLU</b>	<b>K9106BLU</b>	<b>K9206BLU</b>		
16	3P+N+E	9	<b>K9014BLU</b>	<b>K9114BLU</b>	<b>K9214BLU</b>		
32	2P+E	6	<b>K9033BLU</b>	<b>K9133BLU</b>	<b>K9233BLU</b>	<b>K13333BLU</b>	<b>K9433BLU</b>
32	3P+E	9	<b>K9036BLU</b>	<b>K9136BLU</b>	<b>K9236BLU</b>		
32	3P+N+E	9	<b>K9044BLU</b>	<b>K9143BLU</b>	<b>K9240BLU</b>		
63	2P+E	6	<b>K9063BLU</b>	<b>K9172BLU</b>	<b>K9274BLU</b>		<b>K9472BLU</b>

16A/32A  
 Fitted with cable entry gland.  
 63A  
 Fitted with cable entry gland  
 BS EN 60309

16A/32A  
 Fitted with cable entry gland.  
 63A  
 Fitted with cable entry gland  
 BS EN 60309

16A Top conduit (M20) or rear cable entry, complete with blanking plug.  
 32A Top conduit (M25) or rear cable entry, complete with blanking plug.  
 63A Top conduit (M32) or rear cable entry, complete with blanking plug  
 BS EN 60309

Suitable for top entry 1 x M20 and 1 x M25 or bottom entry 1 x M20 and 1 x M25  
 BS EN 60309

16/32A  
 All flanges have the same fixing centres and outside dimensions to assist panel builders  
 BS EN 60309





## Plugs

## Connectors

## Socket Outlets

ANGLED  
 SURFACE

SURFACE – LOOP IN

Amps	Pin. Configuration	Earth				
16	2P+E	6	<b>K9024BLU</b>	<b>K9124BLU</b>	<b>K9194BLU</b>	<b>K13024BLU</b>
16	3P+E	6	<b>K9081BLU</b>	<b>K9082BLU</b>	<b>K9083BLU</b>	
32	2P+E	6	<b>K9054BLU</b>	<b>K9156BLU</b>	<b>K9762BLU</b>	<b>K13054BLU</b>
32	3P+E	6				
63	2P+E	6	<b>K9298BLU</b>	<b>K9856BLU</b>	<b>K9857BLU</b>	

Suitable for flexible cable only  
 63A. With external clamp  
 BS EN 60309

Suitable for flexible cable only  
 63A. With external clamp  
 BS EN 60309

Suitable for top entry 2 x M25 or bottom entry 2 x M20.  
 Will accept FL13 flange at top  
 BS EN 60309

Suitable for top entry 1 x M20 and 1 x M25 or bottom entry 1 x M20 and 1 x M25  
 BS EN 60309

## Switchsocket Outlets

## Appliance Inlets

ANGLED  
PANEL MOUNTING

ANGLED  
INTERLOCKED  
SURFACE

ANGLED  
SURFACE



Amps	Pin. Configuration	Earth			
16	2P+E	6	<b>K9771BLU</b>	<b>K73601BLU</b>	<b>K9701BLU</b>
16	3P+E	9		<b>K9601BLU</b>	
16	3P+N+E	9		<b>K9607BLU</b>	
32	2P+E	6	<b>K9774BLU</b>	<b>K73633BLU</b>	<b>K9733BLU</b>
32	3P+E	9		<b>K9633BLU</b>	
32	3P+N+E	9		<b>K9639BLU</b>	
63	2P+E	6		<b>K9306BLU</b>	

**16/32A**  
new range has different fixing centres to old range.  
Old range is available for limited period. See technical section for details  
BS EN 60309

Switch can be locked in open or closed position.  
Suitable for top entry 2 x M32 or 2 x M40 or bottom entry 2 x M32 or 2 x M40  
BS EN 60309

**16A** Top conduit (M20) or rear cable entry, complete with blanking plug.  
**32A** Top conduit (M25) or rear cable entry, complete with blanking plug  
BS EN 60309

## Switchsocket Outlets

ANGLED  
INTERLOCKED  
SURFACE



Amps	Pin. Configuration	Earth	
16	2P+E	6	<b>K73624BLU</b>
16	3P+E	9	
32	2P+E	6	<b>K73654BLU</b>
32	3P+E	9	
63	2P+E	6	

Switch can be locked in open or closed position.  
Suitable for top entry 1 x M20 and 1 x M25 or bottom entry 1 x M20 and 1 x M25  
BS EN 6030

# Commando

**IP44  
SPLASHPROOF  
380 - 415V  
50 - 60 HZ**





## Plugs

## Connectors

## Socket Outlets

ANGLED  
SURFACE

STRAIGHT  
PANEL MOUNTING

Amps	Pin. Configuration	Earth				
16	3P+E	6	<b>K9007RED</b>	<b>K9107RED</b>	<b>K9207RED</b>	<b>K9407RED</b>
16	3P+N+E	6	<b>K9015RED</b>	<b>K9115RED</b>	<b>K9215RED</b>	<b>K13315RED</b>
32	3P+E	6	<b>K9037RED</b>	<b>K9137RED</b>	<b>K9237RED</b>	<b>K9437RED</b>
32	3P+N+E	6	<b>K9045RED</b>	<b>K9144RED</b>	<b>K9241RED</b>	<b>K9445RED</b>
63	3P+E	6	<b>K9066RED</b>	<b>K9165RED</b>	<b>K9265RED</b>	
63	3P+N+E	6	<b>K9071RED</b>	<b>K9170RED</b>	<b>K9269RED</b>	<b>K9470RED</b>

16A/32A  
Fitted with cable entry gland.  
**63A**  
Fitted with cable entry gland.  
Thread size M48  
BS EN 60309

16A/32A  
Fitted with cable entry gland.  
**63A**  
Fitted with cable entry gland.  
Thread size M48  
BS EN 60309

**16A** Top conduit (M20) or rear cable entry, complete with blanking plug.  
**32A** Top conduit (M25) or rear cable entry, complete with blanking plug.  
**63A** Top conduit (M32) or rear cable entry, complete with blanking plug.  
BS EN 60309

16/32A  
All flanges have the same fixing centres and outside dimensions to assist panel builders  
BS EN 60309

**IP67  
WATERTIGHT  
380 - 415V  
50 - 60 HZ**

## Plugs





## Connectors

## Socket Outlets

## Switchsocket Outlets

ANGLED  
SURFACE

ANGLED INTERLOCKED  
SURFACE

Amps	Pin. Configuration	Earth				
16	3P+E	6	<b>K9025RED</b>	<b>K9125RED</b>	<b>K9763RED</b>	<b>K13625RED</b>
16	3P+N+E	6	<b>K9026RED</b>	<b>K9126RED</b>	<b>K9764RED</b>	<b>K73626RED</b>
32	3P+E	6	<b>K9055RED</b>	<b>K9157RED</b>	<b>K9765RED</b>	<b>K13655RED</b>
32	3P+N+E	6	<b>K9056RED</b>	<b>K9158RED</b>	<b>K9766RED</b>	<b>K73656RED</b>
63	3P+E	6	<b>K9282RED</b>	<b>K9842RED</b>	<b>K9858RED</b>	<b>K9432RED</b>
63	3P+N+E	6	<b>K9292RED</b>	<b>K9852RED</b>	<b>K9859RED</b>	<b>K73658RED</b>

Suitable for flexible cable only.  
BS EN 60309

Suitable for flexible cable only.  
BS EN 60309

2 x 29/37mm knockouts (top), 1 x Ø29 and 1 x Ø23 knockout (bottom).  
Will accept FL13 flanges top and bottom  
BS EN 60309

Switch can be locked in open or closed position.  
Suitable for top entry 2 x M32 or 2 x M40 or bottom entry 2 x M32 or 2 x M40  
BS EN 60309

## Switchsocket Outlets

- ANGLED
- INTERLOCKED
- SURFACE



Amps	Pin. Configuration	Earth	
16	3P+E	6	<b>K13607RED</b>
16	3P+N+E	6	<b>K73615RED</b>
32	3P+E	6	<b>K13637RED</b>
32	3P+N+E	6	<b>K73641RED</b>
63	3P+E	6	<b>K9665RED</b>
63	3P+N+E	6	<b>K73643RED</b>

Switch can be locked in open or closed position.  
Suitable for top entry 2 x M32 or 2 x M40 or bottom entry 2 x M32 or 2 x M40  
BS EN 60309



# Commando

## Protective Covers For Inlets

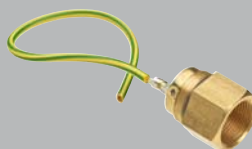


9960BLK

## Earth Lead Adaptors and Blanking Plugs



MK9933



MK9934

**9960BLK**  
FOR 2P+E, 16A  
NO 125A OFFERING  
**9966BLK**  
2P+E, 3P+E, 32A  
**9967BLK**  
FOR ALL 63A (IP44)

**1** **MK9933** **1**  
M20 X 1.5/ M20 X 1.5 THREAD SIZE  
USED ON ALL 16A SOCKET OUTLETS  
AND APPLIANCE INLETS (EXCEPT  
INTERLOCKED). ALSO USED ON  
16A AND 25A SAFETYSWITCHES

**1** **MK9934** **5**  
M25 X 1.5/ M25 X 1.5 THREAD SIZE  
USED ON ALL 32A SOCKET OUTLETS AND  
APPLIANCE INLETS (EXCEPT INTERLOCKED)

**1** **9936** **5**  
PG21/ M25 X 1.5 THREAD SIZE  
USED ON 16A & 32A INTERLOCKED  
SWITCHSOCKET OUTLETS

**1** **MK9937** **5**  
M32 X 1.5/ M32 X 1.5 THREAD SIZE  
USED ON ALL 63A SOCKET OUTLETS AND  
APPLIANCE INLETS

MK9937 must not be used on installations that are rated above 63A.

## Commando Industrial Plugs and Sockets



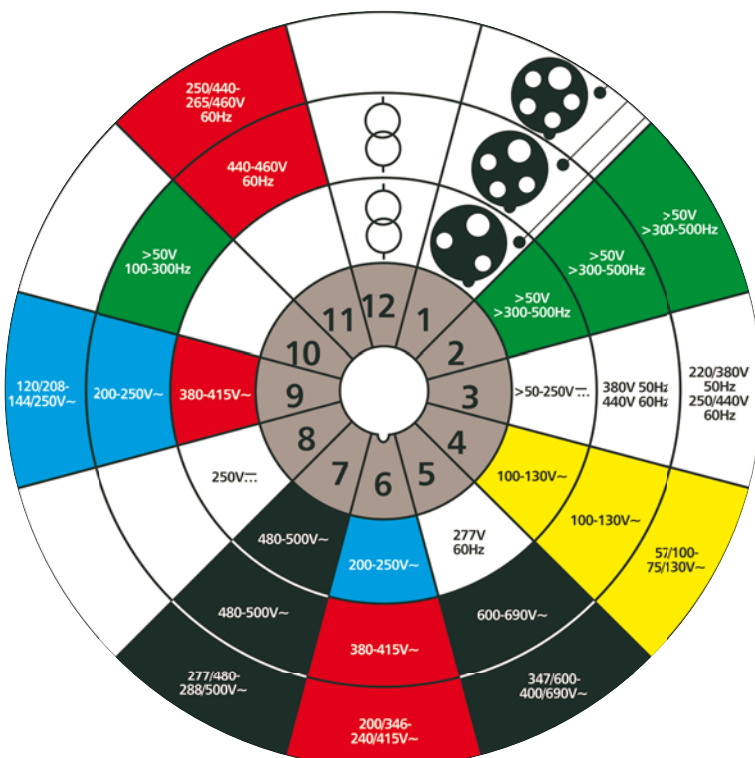
By referring to the chart below, it can be seen that there can be no interchangeability of products as the earth socket tube is placed in a different 'clock' position according to the voltage and frequency. This clock position is determined by looking into a socket-outlet from the front with the key-way at the bottom.

Unless otherwise stated all frequencies are 50-60Hz.

### RATING CODE

The rating code which is found on the rating label of each accessory gives details of rated current, rated (operating) voltage (or range of voltages), rated frequency (if not 50/60Hz) and a symbol to indicate the position of the earth contact.

(i) For all products (except extra low voltage) the position given is that of the earth pin when a socket-outlet/connector is viewed from the front with the key-way at the bottom. When viewing a plug/ appliance inlet from the front with the key at the bottom, the position of the earth pin is reversed, i.e., a 10 o'clock will appear at 2 o'clock and other positions are relative.





# COMMANDO COMBI™

## RANGE INTRODUCTION

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Commando Combi units offer RCD protection in hazardous environments.

Enclosed in PC and ABS boxes, these units offer protection against high impact and are available in IP44 (Splashproof) or IP67 (Watertight), making Commando Combination units some of the safest products available.

## FEATURES & BENEFITS

- High Impact Protection to IK08
- Available in either IP44 (Splashproof) or IP67 (Watertight) options
- Pre-designed, factory built option

### HOW TO SPECIFY

An industrial range of IP44 & IP67 ingress protected "Commando" combination units designed to provide RCD protection in hazardous environments. Options must be available for a maximum of three Commando sockets. Products must have outstanding temperature performance and resistance to chemicals to ensure operation in arduous applications. All sockets to have self-cleaning contacts and nickel plated pins to provide resistance to humidity and wear. Terminals to be clearly identified and have terminal screws backed out to provide ease of installation.

# Commando Combi™



TOUGH AND IMPACT  
RESISTANT TO IK08

OPTIONAL RCD  
PROTECTION

LOCKABLE LID

GOOD CHEMICAL  
RESISTANCE

IP44 PRE-CONFIGURED SOCKET  
OUTLETS (IP67 AVAILABLE UPON  
REQUEST CONTACT TECHNICAL  
HOTLINE ON +44 (0)1268 563720)

CUSTOM DESIGNED, FACTORY BUILT  
OPTION AVAILABLE  
CONTACT TECHNICAL HOTLINE  
ON +44 (0)1268 563720  
SEE PAGE 268.



Socket outlet selection includes 16A, 32A  
and 63A angled socket outlets across all  
relevant voltages.



IP44 and IP67  
waterproof socket and  
switchsocket outlets.



# Commando Combi™

mkelectric.co.uk



**IP44  
SPLASHPROOF  
100 - 130V  
50 - 60 HZ**

## Socket Outlets

SINGLE  
PRE-WIRED WITH  
30mA RCD

TWIN  
PRE-WIRED WITH  
30mA RCD  
**INDIVIDUALLY PROTECTED**

ANGLED  
TWIN  
SURFACE  
**PRE-WIRED**

## Switchsocket Outlet

INTERLOCKED  
PRE-WIRED WITH  
30mA RCD

Pin.  
Config-  
uration  
Earth



**IP44**



Amps	Pin. Config- uration	Earth
16	2P+E	4
32	2P+E	4

**K13413YEL**

**K73173YEL**

**K73143YEL**

**K13309YEL**

Suitable for top entry  
2 x 25mm

Suitable for top entry  
2 x ø25 / 2 x ø38  
bottom entry 3 x 47.5mm

Suitable for top entry  
2 x ø25 / 2 x ø38  
bottom entry 3 x 47.5mm

Suitable for top entry  
2 x ø25

**IP44  
SPLASHPROOF  
200 - 250V  
50 - 60 HZ**

## Socket Outlets

SINGLE  
PRE-WIRED WITH  
30mA RCD

ANGLED  
TWIN  
SURFACE  
**PRE-WIRED**

## Switchsocket Outlet

INTERLOCKED  
PRE-WIRED WITH  
30mA RCD

Pin.  
Config-  
uration  
Earth



**IP44**



Amps	Pin. Config- uration	Earth
16	2P+E	6
63	2P+E	6

**K73414BLU**

**K73174BLU**

**K73310BLU**

Suitable for top entry  
2 x 25mm

Suitable for top entry  
2 x ø25 / 2 x ø38  
Bottom entry 3 x 47.5mm

Suitable for top entry  
2 x 25mm

**IP44  
SPLASHPROOF  
380 - 415V  
50 - 60 HZ**

## Socket Outlets

SINGLE  
PRE-WIRED WITH  
30mA RCD

SINGLE  
PRE-WIRED WITH  
SINGLE  
30mA RCD

## Switchsocket Outlet

INTERLOCKED  
PRE-WIRED WITH  
30mA RCD

Pin.  
Config-  
uration  
Earth



**IP44**



16	3P+E	6
16	3P+N+E	6
32	3P+E	6
32	3P+N+E	6
63	3P+N+E	6

**K13415RED**

**K13416RED**

**K13434RED**

**K73435RED**

**K73465RED**

**K13311RED**

**K13312RED**

**K13344RED**

**K13345RED**

16/32A Suitable for top entry  
2 x 25mm

Suitable for top entry  
2 x ø25 / 2 x ø38  
Bottom entry 3 x 47.5mm

Suitable for top entry  
2 x 25mm



Technical Hotline  
+44 (0)1268 563720

# Commando Combi™

INGRESS PROTECTED  
WIRING DEVICES

**IP67  
WATERTIGHT  
100 - 130V  
50 - 60 HZ**

**Socket Outlet**  
SINGLE  
PRE-WIRED WITH  
30mA RCD

**Switchsocket  
Outlet**  
INTERLOCKED  
PRE-WIRED WITH  
30mA RCD



Amps	Pin. Configuration	Earth
16	2P+E	4
32	2P+E	4

<b>K13713YEL</b>	<b>K13346YEL</b>
<b>K73718YEL</b>	

Suitable for top entry  
2 x ø25

Suitable for top entry  
2 x ø25

**IP67  
WATERTIGHT  
200 - 250V  
50 - 60 HZ**

**Socket Outlet**  
SINGLE  
PRE-WIRED  
WITH  
30mA RCD

**Switchsocket  
Outlet**  
INTERLOCKED  
PRE-WIRED WITH  
30mA RCD



Amps	Pin. Configuration	Earth
16	2P+E	6
16	3P+E	9
32	2P+E	6

<b>K73714BLU</b>	<b>K13348BLU</b>
<b>K13733BLU</b>	<b>K13349BLU</b>

Suitable for top entry  
2 x ø25

Suitable for top entry  
2 x ø25

**IP67  
SPLASHPROOF  
380 - 415V  
50 - 60 HZ**

**Socket Outlet**  
SINGLE  
PRE-WIRED WITH  
30mA RCD

**Switchsocket  
Outlet**  
INTERLOCKED  
PRE-WIRED WITH  
30mA RCD



Amps	Pin. Configuration	Earth
16	3P+E	6
16	3P+N+E	6
32	3P+E	6
32	3P+N+E	6

<b>K13716RED</b>	<b>K13351RED</b>
	<b>K13352RED</b>
<b>K73735RED</b>	<b>K73353RED</b>

Suitable for top entry  
2 x ø25

Suitable for top entry  
2 x ø25





# MODULAR COMBI™

## RANGE INTRODUCTION

A custom design service for Commando Combi products offering circuit protection, control and data products for use in hazardous environments. Modular Combi units are made to order and designed for almost any application.

Enclosed in durable Polycarb and ABS boxes, these units offer protection against high impact and are available in both IP44 and IP67, making Commando Combination units some of the safest products available.

Please contact the Technical Helpline (01268 563720) for further details or email [mk.technical@honeywell.com](mailto:mk.technical@honeywell.com) for assistance on options available to meet your application requirements.

## FEATURES & BENEFITS

- Compact units replace outlets traditionally scattered around walls
- Combination of outlets with MCB and RCD protection
- High Impact Protection
- Custom design service to suit various applications

### HOW TO SPECIFY

An industrial range of IP44 & IP67 ingress protected "Commando" combination units designed to provide RCD protection in hazardous environments. Options must be available for a maximum of three Commando sockets, Masterseal and data connections. Products must have outstanding temperature performance and resistance to chemicals to ensure operation in arduous applications. All sockets to have self-cleaning contacts and nickel plated pins to provide resistance to humidity and wear. Terminals to be clearly identified and have terminal screws backed out to provide ease of installation.



Technical Hotline  
+44 (0)1268 563720

# Modular Combi™

INGRESS PROTECTED  
WIRING DEVICES

## SUMMARY GUIDE

### STEP 1 Choose your system type and number of Commando socket outlets

Rating	Pin Config.	SOCKET OUTLETS - STRAIGHT			SOCKET OUTLETS - INTERLOCKED		
		100-130V	200-250V	380-415V	100-130V	200-250V	380-415V
16A	2P+E	✓	✓		✓	✓	
16A	3P+E	✓	✓	✓			✓
16A	3P+N+E	✓	✓	✓			✓
32A	2P+E	✓	✓		✓	✓	
32A	3P+E			✓			✓
32A	3P+N+E		✓	✓			✓
63A	2P+E		✓				
63A	3P+E			✓			
63A	3P+N+E			✓			

### STEP 2 Choose the type of circuit protection for the outlets

Rating	SWITCH DISCONNECTOR		MCB SINGLE POLE					MCB DOUBLE POLE			MCB TRIPLE POLE		
	2 POLE	4 POLE	6kA		10kA			TYPE B	TYPE C	TYPE D	TYPE B	TYPE C	TYPE D
16A			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25A													
32A			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
40A													
63A	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓
80A													
100A	✓												
125A	✓	✓											

Rating	SRCBO One Module SOLID NEUTRAL (30mA)		RCD 110V DOUBLE POLE		RCD 230V DOUBLE POLE		RCD PULSATING		RCD 230/400V FOUR POLE	
	6kA	TYPE B	10mA	30mA	10mA	30mA	10mA	30mA	30mA	
16A		✓	✓	✓	✓	✓	✓			
25A									✓	
32A		✓		✓		✓		✓		
40A									✓	
63A						✓			✓	
80A						✓				
100A						✓				

### STEP 3 Choose the Control Products

Rating	CONTACTORS			TIME SWITCHES					
	ONE MODULE	TWO MODULE	THREE MODULE	SYNCHRONOUS	QUARTZ STABILISED	SYNCHRONOUS	DIGITAL ONE CHANNEL		DIGITAL TWO CHANNEL
16A				THREE MODULE	THREE MODULE	ONE MODULE	TWO MODULE	ONE MODULE	TWO MODULE
20A	✓	✓		✓	✓	✓	✓	✓	✓

### STEP 3 Choose the Control Products

MASTERSEAL					
SOCKET OUTLETS		SWITCH ENCLOSURES		SWITCH MODULES	
13AMP	16AMP			20AMP	10AMP
✓	✓		✓	✓	✓

### Overall Dimensions

DIMENSIONS				
HEIGHT	WIDTH	DEPTH (WITH VARIOUS PRODUCTS)		
1 ROW	228 MM	252MM	16A SKT OUTLET	139MM
2 ROW	358MM	252MM	32A SKT OUTLET	148MM
3 ROW	488MM	252MM	16A INTERLOCK	152MM
4 ROW	618MM	252MM	32A SKT OUTLET	161MM
5 ROW	748MM	252MM	63A SKT OUTLET	167MM
			MASTERSEAL SKT O/T, FCU & DATA	146MM
			MASTERSEAL SWITCH	135MM

STEP 4 Email [mk.technical@honeywell.com](mailto:mk.technical@honeywell.com) for design and quotation prior to placing your order.